Abstract Of The Disclosure

In order to ensure optimum metering of a reagent to be metered into an exhaust gas during operation of a metering unit of a catalytic converter of a combustion system, in particular an internal combustion engine of a motor vehicle, in any operating state of the catalytic converter and/or in any operating state of the combustion system, a method and a device for operating a metering unit of a catalytic converter of a combustion system provide that, based on a steady-state value of the reagent quantity to be metered during a steady-state operating state of the catalytic converter and/or the combustion system, the quantity of the at least one reagent is determined and adjusted using at least one dynamic correction factor which is dependent on at least one of the performance characteristics of the catalytic converter and on at least one of the performance characteristics of the combustion system. The dynamic correction factor and/or a nitrogen oxide correction factor are obtained from a dynamic correction characteristics map or a nitrogen oxide correction characteristics map only as a function of performance characteristics of the internal combustion engine, in particular the engine speed and the injected fuel quantity, and of performance characteristics of the catalytic converter, preferably the nitrogen oxide emission and the temperature of the exhaust gas downstream from the catalytic converter.